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| 000FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE<br>REV. 2/01T  |   | CUSTOMER NO. 22,852<br>ATTORNEY'S DOCKET NUMBER<br>05788.0348<br>U.S. APPLICATION NO.<br>(If known, see 37CFR1.5)<br><b>10/529223</b>                             |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b> |   |   |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2002/010896  | INTERNATIONAL FILING DATE<br>September 27, 2002 | PRIORITY DATE CLAIMED   |
| TITLE OF INVENTION<br>INTEGRATED OPTICAL DEVICE   |   |   |
| APPLICANT(S) FOR DO/EO/US<br>Giacomo GORNI, Marco ROMAGNOLI, Riccardo TEDIOSI, and Daniele FACCIO                                   |   |   |
| Applicant(s) herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |   |
| 1.  | <input checked="" type="checkbox"/>             | This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.   |
| 2.  | <input type="checkbox"/>                        | This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.   |
| 3.  | <input type="checkbox"/>                        | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. |
| 4.  | <input type="checkbox"/>                        | The US has been elected by the expiration of 19 months from the priority date (Article 31).   |
| 5.  | <input checked="" type="checkbox"/>             | A copy of the International Application as filed (35 U.S.C. 371 (c)(2)).  |
|   | a. <input checked="" type="checkbox"/>          | is attached hereto (required only if not communicated by the International Bureau).   |
|   | b. <input checked="" type="checkbox"/>          | has been communicated by the International Bureau.  |
|   | c. <input type="checkbox"/>                     | is not required, as the application was filed with the United States Receiving Office (RO/US).  |
| 6.  | <input type="checkbox"/>                        | An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).   |
|   | a. <input type="checkbox"/>                     | is attached hereto.   |
|   | b. <input type="checkbox"/>                     | has been previously submitted under 35 U.S.C. 154 (d)(4).   |
| 7.  | <input checked="" type="checkbox"/>             | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)).  |
|   | a. <input type="checkbox"/>                     | are attached hereto (required only if not communicated by the International Bureau).  |
|   | b. <input type="checkbox"/>                     | have been communicated by the International Bureau.   |
|   | c. <input type="checkbox"/>                     | have not been made; however, the time limit for making such amendments has NOT expired.   |
|   | d. <input checked="" type="checkbox"/>          | have not been made and will not be made.  |
| 8.  | <input type="checkbox"/>                        | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).  |
| 9.  | <input type="checkbox"/>                        | An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).   |
| 10.   | <input type="checkbox"/>                        | An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).                   |
| Items 11 to 20 below concern document(s) or information included:   |   |   |
| 11.   | <input checked="" type="checkbox"/>             | Information Disclosure Statement under 37 CFR 1.97 and 1.98   |
| 12.   | <input type="checkbox"/>                        | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.   |
| 13.   | <input checked="" type="checkbox"/>             | A <b>FIRST</b> preliminary amendment.   |
| 14.   | <input type="checkbox"/>                        | A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.   |
| 15.   | <input type="checkbox"/>                        | A Substitute specification.   |
| 16.   | <input type="checkbox"/>                        | A change of power of attorney and/or address letter.  |
| 17.   | <input type="checkbox"/>                        | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.   |
| 18.   | <input type="checkbox"/>                        | A second copy of the published international application under 35 U.S.C. 154 (d)(4).  |
| 19.   | <input type="checkbox"/>                        | A second copy of the English language translation of the international application 35 U.S.C. 154 (d)(4).  |
| 20.   | <input checked="" type="checkbox"/>             | Other items or information:   |
|   | a. <input checked="" type="checkbox"/>          | Copy of cover page of International Publication No. WO 2004/029681 A1   |
|   | b. <input type="checkbox"/>                     | Copy of Notification of Missing Requirements.   |
|   | c. <input type="checkbox"/>                     |   |

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/529223</b>  |              | INTERNATIONAL APPLICATION NO.<br>PCT/EP2002/010896                         |          | ATTORNEY'S DOCKET NUMBER<br>05788.0348  |                 |
| 21. <input checked="" type="checkbox"/> The following fees are submitted:  |              |  |          | Applicant Use   | Office Use Only |
| <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b>  |              |  |          | \$300.00  |                 |
| National Stage Search Fee.....   |              |  |          | \$500.00  |                 |
| National Stage Examination Fee.....  |              |  |          | \$200.00  |                 |
| ENTER APPROPRIATE BASIC FEE AMOUNT =   |              |  |          | \$1000.00   |                 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |  |          |   |                 |
| Total Sheets   | Extra Sheets | Number of additional 50 or fraction thereof (rounded up to a whole number) | Rate     |   |                 |
| 62- 100 =  | /50=         |  | x 250.00 | \$  |                 |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).   |              |  |          | <input type="checkbox"/> 20 <input type="checkbox"/> 30   | \$              |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA   | RATE     |   |                 |
| Total Claims   | 23           | - 20 =   | 3        | x \$50.00   | \$150.00        |
| Independent Claims   | 2            | - 3 =  |          | x \$200.00  | \$              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |  |          | + \$360.00  | \$              |
| TOTAL OF THE ABOVE CALCULATIONS =  |              |  |          | \$1150.00   |                 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |  |          |   |                 |
| SUBTOTAL =   |              |  |          | \$1150.00   |                 |
| Processing fee of \$130.00 for furnishing the English translation later than months from the earliest priority date (37 CFR 1.492(f)).   |              |  |          | <input type="checkbox"/> 20 <input type="checkbox"/> 30   | \$              |
| TOTAL NATIONAL FEE =   |              |  |          | \$1150.00   |                 |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.   |              |  |          | \$  |                 |
| TOTAL FEES ENCLOSED =  |              |  |          | \$1150.00   |                 |
|  |              |  |          | Amount to be refunded:  | \$              |
|  |              |  |          | charged:  | \$              |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>1150.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>06-0916</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> |              |  |          |   |                 |
| <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:<br/>Finnegan, Henderson, Farabow, Garrett &amp; Dunner, L.L.P.<br/>901 New York Avenue, NW<br/>Washington, D.C. 20001-4413</p>  |              |  |          |   |                 |
| DATED: March 25, 2005  |              |  |          | <p><i>Ernest F. Chapman</i><br/>SIGNATURE<br/>Ernest F. Chapman Reg. No. 25,961<br/>NAME/REGISTRATION NO.</p> |                 |